

MATERIAL SAFETY DATA SHEET

MANUFACTURER

GreenerGreenGrass, 223 Congress Street, Portland, ME 04101

EMERGENCY INFORMATION

888-688-2469

SECTION I - PRODUCT IDENTIFICATION

DATE PREPARED: May 01, 1994

PRODUCT NAME: AERATOR BLEND

GENERAL/GENERIC ID: ANIONIC SURFACTANT BLEND / **Superb Soil Conditioner**

DOT SHIPPING CLASS: 70

HAZARD CLASSIFICATION: Health-1, Fire-1, Reactivity-0

HAZARD CLASSIFICATION KEY: 0-least, 1-slight, 2-moderate, 3-high, 4-extreme

SECTION II -HAZARDOUS INGREDIENTS

COMPONENT	CAS NUMBER	PERCENT	ACGIH TLV	EXPOSURE OSHA - PEL
ETHYL ALCOHOL (DENATURED)	64-17-5	610 ppm	610 ppm	610 ppm
ISOPROPYL ALCOHOL	67-63-0	6%	500(STEL)	400

(*) INDICATES HAZARDOUS INGREDIENTS WHICH ARE TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372. THE CHEMICAL NAME, CAS# AND PERCENT BY WEIGHT INFORMATION MUST BE INCLUDED IN ALL MSDS COPIED AND DISTRIBUTED FOR THIS MATERIAL.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT (F): 180

SPECIFIC GRAVITY: 1.006

VAPOR PRESSURE (mm Hg): N/E

VAPOR DENSITY (air=1): N/E

SOLUBILITY (in water): 100%

EVAPORATION RATE: N/E

pH OF CONCENTRATE: 7.0 (1% SOL)

APPEARANCE AND ODOR: PALE AMBER LIQUID, ALCOHOL ODOR

SECTION IV - FIRE & EXPLOSION HAZARD DATA

FLASH POINT (F): 148

FLAMMABLE LIMITS: N/A

LEL: NOT DETERMINED

VEL: NOT DETERMINED

EXTINGUISHING MEDIA: DRY CHEMICAL, ALCOHOL-RESISTANT FOAM, OR WATER SPRAY/FOG

SPECIAL FIRE FIGHTING PROCEDURES: SELF CONTAINED POSITIVE PRESSURE BREATHING APPARATUS

UNUSUAL FIRE & EXPLOSION HAZARDS: None

SECTION V - REACTIVITY DATA

STABILITY: Product is stable.

CONDITIONS TO AVOID: Heat, sparks, open flame

MATERIALS TO AVOID: Strong Acids or Alkali and strong Oxidizers.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Sulfur dioxide, hydrogen sulfide, nitrous oxides & ammoniacal vapors

HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID: None

SECTION VI - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY:

INHALATION: yes **SKIN:** yes **INGESTION:** UNLIKELY

HEALTH HAZARDS (ACUTE & CHRONIC):

ACUTE: Vapors and mist irritate nose and throat. Inhalation of high concentrations may cause headaches, vomiting and coma. Prolonged exposure may cause unconsciousness or death. Liquid and mists can severely irritate or damage eyes and cause corneal burns. prolonged or repeated skin contact may cause irritation and dermatitis. Swallowing large quantities causes headaches, nausea, vomiting, stomach cramps and diarrhea, and can cause unconsciousness or death.

CHRONIC: Prolong or repeated exposure to high concentrations can produce severe or fatal central nervous system depression.

CARCINOGENICITY:

IARC MONOGRAPHS: NO **OSHA REGULATED:** NO **NTP:** NO

SIGNS AND SYMPTOMS OF EXPOSURE: Eye and skin irritation, headache, nausea, and vomiting. Prolonged or repeated exposure may cause unconsciousness or death.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Persons with pre-existing skin disorders, eye problems, or impaired respiratory function may be more susceptible to the effects of this substance.

*****EMERGENCY AND FIRST AID PROCEDURES*****

INGESTION: DO NOT INDUCE VOMITING, CONTACT A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. OFFER SMALL AMOUNTS OF WATER OR MILK.

EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

SKIN CONTACT: FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

INHALATION: REMOVE VICTIM TO FRESH AIR, ADMINISTER OXYGEN IF BREATHING IS DIFFICULT. APPLY ARTIFICIAL RESPIRATION IF VICTIM IS NOT BREATHING. GET IMMEDIATE MEDICAL ATTENTION.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

SPILL STEPS: Remove all sources of ignition. Contain spill by diking with absorbent material. Recover for reuse or absorb small spills on absorbent material and dispose of in approved waste disposal containers.

WASTE DISPOSAL METHOD: Dispose of in accordance with local, state and federal regulations.

STORAGE & HANDLING: Store in a cool dry area away from heat, sparks, open flames or other sources of ignition. Keep container closed when not in use. Do not cut or weld empty container as explosion will result. Keep out of reach of children.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION: If mist or dust conditions should be present use respirator approved by NIOSH.

VENTILATION: Adequate ventilation required to maintain fresh air flow.

LOCAL EXHAUST: Adequate

EYES AND FACE: Goggles or face shield

HANDS, ARMS AND BODY: Adequate clothing should be worn to prevent skin contact.

WORK/HYGIENIC PRACTICES: Wash all clothing before wearing. Wash all exposed skin surfaces with soap and water after using this product.

SPECIAL CLOTHING AND EQUIPMENT: Eye bath, safety shower and oxygen mask.

WARRANTY

Neither this data sheet nor any statement contained herein grants or extends any license, expressed or implied, in connection with patents issued or pending which may be the property of the manufacturer or others. The information in this data sheet has been assembled by the manufacturer based on its own studies and on the work of others. The manufacturer makes no warranties, expressed or implied, as to the accuracy, completeness, or adequacy of the information contained herein. The manufacturer shall not be liable (regardless of fault) to the Vendee, the Vendee's employees, or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy, or furnishing of such information.